

Product datasheet

Anti-Sulfatase 2/SULF2 antibody [2B4] ab113405

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Overview

Product name	Anti-Sulfatase 2/SULF2 antibody [2B4]
Description	Mouse monoclonal [2B4] to Sulfatase 2/SULF2
Host species	Mouse
Specificity	ab113405 shows no cross-reactivity with Sulfatase 1
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant full length protein corresponding to Human Sulfatase 2/SULF2.
Epitope	ab113405 recognises an epitope located in the C terminal domain of Sulfatase 2/SULF2.
Positive control	Sulfatase 2/SULF2 transfected HEK29 cells or non-small-cell Human lung carcinoma tissue
General notes	This product was previously labelled as Sulfatase 2

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: 99% PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	2B4
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab113405** in the following tested applications.

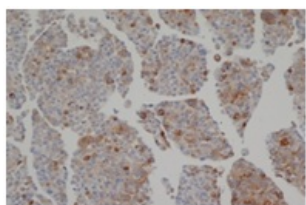
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/25. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. Sodium citrate buffer pH 6.0 is recommended for this purpose.
WB		Use at an assay dependent concentration. Detects a band of approximately 100 kDa. ab113405 detects a major band of approximately 50kDa in Sulfatase 2/SULF2 transfected HEK293 cell lysates. A band at 135kDa (unprocessed protein), and a fragment at 37kDa, may also be present.

Target

Function	Exhibits arylsulfatase activity and highly specific endoglucosamine-6-sulfatase activity. It can remove sulfate from the C-6 position of glucosamine within specific subregions of intact heparin.
Tissue specificity	Expressed at highest levels in the ovary, skeletal muscle, stomach, brain, uterus, heart, kidney and placenta.
Sequence similarities	Belongs to the sulfatase family.
Post-translational modifications	The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity.
Cellular localization	Endoplasmic reticulum. Golgi apparatus > Golgi stack. Cell surface. Also localized on the cell surface.

Images



Paraffin embedded HEK293 cells transfected with Sulfatase 2/SULF2 stained with ab113405.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sulfatase 2/SULF2 antibody [2B4] (ab113405)

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